



# RF



## ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXXVII NO. 5 P.O. BOX 3454, TUSTIN, CA. 92681 MAY 1996

### The Prez Sez:

#### **Field Day ( June 22nd and 23rd)**

How time flies. Field day (FD) is once again just over a month away. Since it begins the day after the meeting, there will be some special activities on the meeting afternoon. Before the meeting many club members are planning on arriving at the Field Day site in the early afternoon to begin setting up the antennas, power cables and anything else that can be done early. Then it will be on to the club meeting; I have no idea what our Vice President, is planning for the meeting program, but I am sure it will have a Field Day theme.

Field Day is an important event for the club. Through tough and good times, tough and good band conditions, the club has allway's performed admirably, scoring respectfully in whatever class we're operating. But the event is more than getting a good score. It is a chance to hone our emergency skills, and learn what equipment, supplies and spares are needed to conduct an emergency operation in a large scale. Field Day is also a chance to promote new members and make new friends among our existing members.



Continue

I've told this story before, but, its worth repeating: When I got out of college and settled down at a job that actually paid a salary, I began to get on the air again. Since SSB was the popular voice mode at the time an I had an AM-CW transmitter, I got active on CW. Among numerous contacts, I ran across a local station, W6HHC. (Yes, Ken on CW!!). After a few Qso's we switched to CW-SSB then AM-SSB, then SSB-SSB when I upgraded my transmitter. Ken was a member of the OCARC, and he xtended to me a field day invitation. I accepted, and remember driving to a cemetery, (Hey, we did'nt allways have FD at the base!) I arrived as a stranger, but the excitement of Field Day's past was on my mind, soon, a ham asked me if he could be of help. (I believe that was Jack, now N6UC). He took me to where Ken was burning up 15 meter SSB and after a short hello (our first eye-ball) Ken got me involved in the contest. What started out to be a visit of a few hours lasted all night and through the next day tear down. During that time I was dined and wined (Kei, W6NGO's hospitality has never forgotten) and met many new friends. That was 27 years ago. I must have been impressed, I'm still an active member.

If you've met a ham recently, take a moment to invite him to FD. It is a good opportunity to show our club at its best.

Paranoia!

The editor is out to get me! If you tried to reach me via my internet address published in the last issue good luck! Here is my corrected addresses. 'o' is the letter oh, and '0' is the number zero:

e005291@mdcpo04.1b.mdc.com ( that's my work address)

r.eckweiler@genie.com (home address, usually checked 4-7 times a week)

More SSC next month.

73, de Bob, AF6C

**Editor Note - my proof reader took off with another ham.**

## 1996 Board of Directors

President.....Bob Eckweiler..AF6C.....639-5074  
Vice President...Ken Konechy...W6HHC.....744-0217  
Secretary.....Chris Breller..KJ6ZH....863-1499  
Treasurer.....Bob Buss.....KD6BWH.....534-2995  
Activities.....John Meacham...KJ6TK.....842-4702  
Membership.....Tom Thomas....WA6PFA.....771-2917  
Public Relations..Frank Smith...WA6VKZ.....838-3180  
Tech Committee...Larry Breilin..K6VDP.....557-7217  
Member at Large..Cindy Hughes...KC6OPI.....971-3448  
Member at Large..Kei Yamachika..W6NGO.....538-8942

## CLUB APPOINTMENTS

Club Historian.....Bob Evans.....WB6IXN.....543-9111  
W6ZE Trustee.....Bob Eckweiler.....AF6C.....639-5074  
RF Editor.....Bud Barkhurst.....WA6VPP.....774-6361  
Refreshments.....Jane Breller.....KC6TAM.....

## DUES

Regular Member.....\$12.00..Additional Members..\$6.00 each  
Teenage Member.....\$6.00....Optional Club Badge..\$5.00 Each  
Dues for new members are prorated quarterly from January 1 each year.  
Family members must reside at the address of a Regular Member. One RF  
is sent per house.

QST.....TOURING WORLD ASTRONOMICAL OBSERVATORIES.....QST  
By Bob Evans, WB6IXN

If you would like to take an astronomical tour, try these WWW pages:

<a href="http://www.lfa.hawaii.edu/mka">http://www.lfa.hawaii.edu/mka</a>	Mauna Kea Home Page
<a href="http://www.lfa.hawaii.edu/88inch">http://www.lfa.hawaii.edu/88inch</a>	UH 88-inch Telescope
<a href="http://irtf.lfa.hawaii.edu">http://irtf.lfa.hawaii.edu</a>	NASA IRTF (IR Telescope Facility)
<a href="http://www.cfht.hawaii.edu">http://www.cfht.hawaii.edu</a>	CFHT (Canada-France-Hawaii Telescope)
<a href="http://www.jach.hawaii.edu/UKIRT/home.html">http://www.jach.hawaii.edu/UKIRT/home.html</a>	UKIRT (UK Infrared Telescope)
<a href="http://astro.caltech.edu/observatories/keck">http://astro.caltech.edu/observatories/keck</a>	Keck Telescopes
<a href="http://www.eco.caltech.edu/~dbenford/esotext.html">http://www.eco.caltech.edu/~dbenford/esotext.html</a>	Caltech Sub-millimeter Telescope
<a href="http://www.jach.hawaii.edu/JCMT/home.html">http://www.jach.hawaii.edu/JCMT/home.html</a>	JCMT (James Clerk Maxwell Telescope)
<a href="http://www.gemini.edu">http://www.gemini.edu</a>	Gemini 8-m Telescopes
<a href="http://chain.mtk.nao.ac.jp">http://chain.mtk.nao.ac.jp</a>	Subaru (Japan National Telescope)
<a href="http://www.stsci.edu/pubinfo/pictures.html">http://www.stsci.edu/pubinfo/pictures.html</a>	Hubble Telescope
<a href="http://www.nrl.navy.mil/clementine/clib">http://www.nrl.navy.mil/clementine/clib</a>	Clementine probe

The Board Meeting was called to order at 8:32 by AF6C. All board members were present except for KC6OP1 and KJ6TK. The April program will feature AA6DD speaking on VHF DXing and the May program will be on GPS/APRS. Activities: KC6OP1 was appointed to replace KJ6TK as Activities Chairman for the April meeting. AF6C will handle refreshments. Membership: 52 members in the club. The membership roster will be printed in the next "RF". K6VDP suggested that new members names and address be published in the "RF" when they join the club. Tech. Committee: The ARRL has approved our application as a Special Service Club. This will allow us to field check QSLs for WAS and VUCC Awards. Publicity: KC6TAM, KJ6ZH and WA6VKZ set up a publicity table at HRO Anaheim for ICOM Day. Treasurer: \$625.55 in checking. The audit was reviewed. The club P.O. Box rental is due 6/1/96.

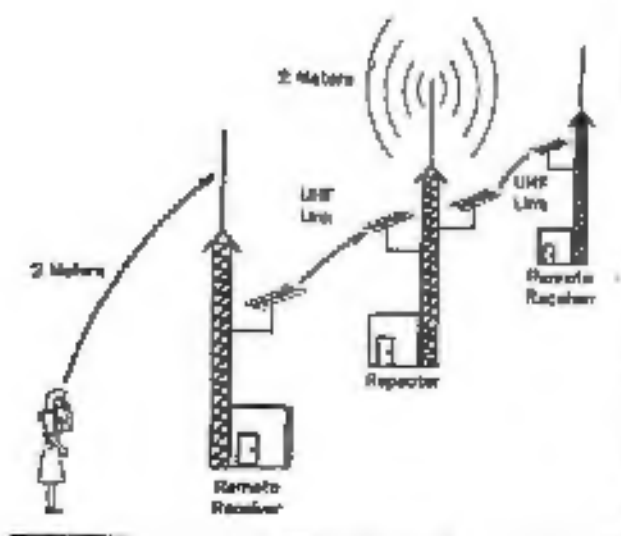
Old Business: Trailer - WA6VKZ contacted Skipper concerning adding an axle to the trailer. VKZ still waiting for a reply from Skipper. VKZ's neighbor offered to sell and install 2 axles for \$750.00. A working party will meet in the first part of May at N7AZ's QTH to offload the trailer and assist in getting it weighed. VKZ to get trailer licensed.  
- KJ6ZH volunteered to chair Field Day. VKZ to possibly do the cooking.  
- VDP will work on renewing the club's 10-10 membership.

New business: - The treasurer was directed to pay the club's OCCARO dues of \$3.00. AF6C proposed that Blanch Berry, spouse of SK WA6BPX be given Honorary Membership status through 12/31/97. WA6HHC so moved, KD6BWH seconded, Approved unanimously by the board.

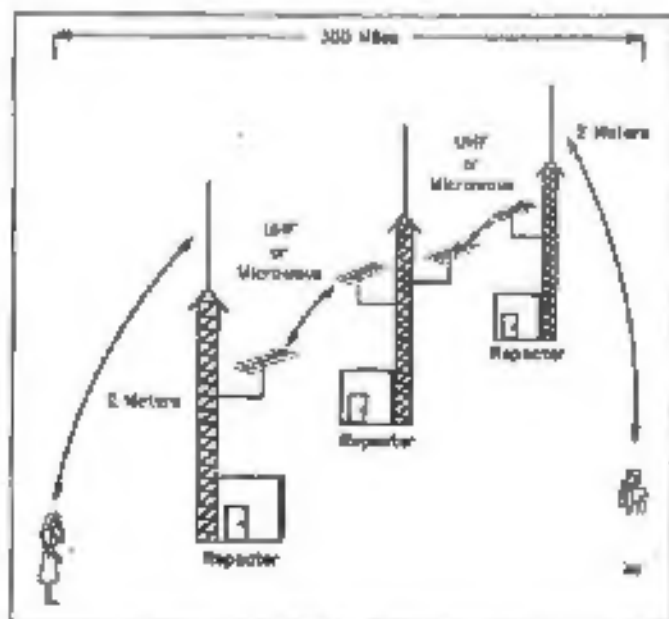
Motion to adjourn made by WA6VKZ, seconded by K6VDP.  
The meeting was adjourned at 9:27 AM.

Respectfully submitted

Chris Breller - KJ6ZH  
Secretary



repeater systems use more than one receiver to provide reliable coverage.



Linked repeater systems allow FM-active hams to cover huge areas with nothing more than an H-T.

## Minutes of the General Meeting March 15, 1996

The meeting was called to order at 7:33 PM by the President Bob Eckweiler, AF6C. The roll of officers was called and all board members were present except for Elmer Thomas WA6PFA who was in the hospital. Ken, W6HHC presented a program on the workings of the Internet. The minutes of the last meeting were approved as published in the "RF". Membership reported a total of 50 members in the club. The Vice-president reported that the April speaker will be Will Anderson, AA6DD who will speak on VHF DXing. The May meeting will feature a program on the Global Positioning System and the Automatic Packet Reporting System (GPS/APRS). The Secretary reported correspondence from the city of Newport Beach offering the use of the city library as a meeting place at the cost of \$35.00/hour. The Treasurer reported \$564.88 in the treasury. Activities - John Meachum will be out of the area for 3 months and needs a substitute to handle the raffle and field day. Publicity Chairman stated he will attempt to get the Register to publish our meeting date, time, and location each month.

### Old Business

Field Day - Secretary to send a letter to MCAS(H) Tustin by 3/18/96 to request to use the base for Field Day. Band Captains are KJ6ZH (20/80 phone), KB6VFC (VHF), K6VDP (40/15 CW) and W6HHC (15 phone). We still need a captain for Novice/Tech.

A motion was made by KD6BWH to reinstitute the "Mr. RF" program to promote a more friendly atmosphere at the meetings. The first person to shake the hand of the secretly chosen "Mr. RF" will receive \$2.00 in raffle tickets if wearing an OCARC club badge but only \$1.00 worth if not wearing a club badge. Motion approved unanimously by the membership.

QSL Cards are still being collected by WB6EQN for permanent inclusion in the Orange County Room at the Santa Ana Public Library.

### New Business

Pictures are being taken at the meeting for the club history and, if a consent form is signed, will be provided to QRZ / Callbook for inclusion in their next CD Rom Disk.

Announcements: WB6IXN announced that the OC Astronomy Club will be holding a Star Party 3/23/96 at the Carl Thornton Park at sundown. HRO announces ICOM DAY at the Anaheim store 10-7 on 3/23/96 and invited the club to setup a publicity table. AF6C, KC6OPI, WA6VKZ, KJ6ZH, and KC6TAM will plan to man it. The West Coast VHF/UHF Conference will be held in May. Details to be published in RF. KJ6ZH reminded everyone that the International DX Convention will be held in Visalia 4/19 - 4/21/96. KC6DLA is looking for hams to work the Baker to Vegas Run 4/20 - 4/21/96.

The Audit Committee reported that the treasury audit is finished and the results will be published in the April "RF".

The meeting adjourned at 9:35 PM.

Respectfully submitted

Chris Breller - KJ6ZH  
Secretary

# MINUTES OF THE 4/19 GENERAL CLUB MEETING

AF6C opens meeting with the Pledge of Allegiance and Roll Call of Officers. Board members present were PFA, VDP, OPI, NGO, & BWH. VDP introduced Ray Anderson, AA6DD, who gave an excellent presentation on FM & Repeaters, with special emphasis on wave propagation, product detector phase noise discrimination with SSB reception, and tropo-ducting of UHF/VHF radio waves. Ray said that the last part of July and early August, with an altitude of abt 300 ft. in the foothills to our East, is the best time for ducting to Hawaii...Also, knife-edging off a particular mountain: The angle of incidence = the angle of reflection! Oh!...And don't forget to buy a 900 MHz cordless telephone to eliminate 6m RFI in the phone!

AF6C introduces Andrew, KF6AXE, who demonstrates a Motorola HT, the AP50 Radius. It features all the goodies, including PRIVATE communications between you and another party with a like unit. It features PL/DPL, keypad, a range of 136 - 174 MHz, 20 channels, and can be bought at a Club price of \$299! It was deliberately dropped on the floor, continuing to work perfectly! Voltage range, 7.5 to 12V. For further questions, or demo., call Andrew at: (714)543-6800. BWH reports \$697.25 in the Treasury wtd \$18.00 in new dues. Our meeting next month will feature a speaker on GPS. Wtd TK, HHC, VKZ, & ZK involved with the "Baker to Las Vegas Relay", OPI handles activities for tonight.

AF6C picks up the donuts for refreshments.

PFA reports that Lke Club now has 56 members.

Tnx to VDP, AF6C announces that the OCARC is officially a Special Service Club!

Under Old Business, no OCARC Board Minutes were published in April "RF"! Zk will be asked to publish Apr. & May Minutes in May "RF"! Field Day plans are slowly taking shape.

KJ6ZH will be Field Day Chairman.

WB6ULU announces that the Garden Grove Elks Radio Club would like to join us on Field Day.

KC6OP1 says the Red Cross Ham might also participate in our Field Day.

Under New Business, Board recommends that we give Blanche Berry an Honorary Club Membership. BWH moves; WJJ seconds, and members approve & carry the motion. PFA expresses appreciation for the Club get-well card sent to him in the hospital.

With Club approval, AF6C closes the meeting. Club raffle followed.

Respectfully submitted, WB6IKN, Acting Secretary

FREE FREE FREE FREE FREE FREE FREE

Wire Antenna Support (wood)

Here is some material's for Field Day — 4"x6"x11ft Long

1"x2"

2"x4"x18ft long

Call Ralph @ 544-1974 for how many pieces

W6RE



NETNEWS  
by WB6IXN

4/3 15m phone net - NGO, HHC, & AF6C meet on the 'Net-before-net'. Then W6ZE/AF6C checks in NGO, HHC, XO, IXN, & WOX. NGO likes Laughlin, NV, better than 'Lost Wages'! And HHC, ZE, & NGO discuss everything from the Colorado Belle & Flamingo Casinos to Kel & Ida drag racing on the River!! XO just got off the RACES net and joins our group. Bob tells OPs that the California Classic event will be on the 2nd weekend in Aug. WOX enjoys last Club meeting & program, and Art tells OPs abt a casino on Indian land in Palm Springs! IXN will straighten out a state income tax problem tomorrow & alerts OPs abt increases lunar gravity during this evening's partial lunar eclipse. Also, IXN has World Wide Web addresses for many U.S. observatories, and will distribute them to any one who is interested!

4/3 2m phone net - W6ZE/IXN checks in VFC, VDP, RE, WOX, BWH, ESD, KE6YZW, ZH & TAM, TWA, & QW. Wid 6m dead. VFC attacks a shorted RF choke in the 6m amplifier. Between bad WX spells, VDP manages to install power panel doors for a customer. Wid nothing much but propagation bulletins, RE busies himself wid the house chores. IXN thins out all of the Dutch Iris bulbs, and BWH airs Newline over his FD setup at work tonite!..Seems that ARRL will request the FCC to crack down on OPs violating part 97 regulations!! WOX, QTH near Kathy & Hughes over El Modena way, joins us on both 15 & 2m tonite. Art had nice siks into ZE's QTH! ESD, finally over the 'whatever' (flu, allergies, etc), works a 'lil packet on 2m. VDP persuades KE6YZW, Dave, to join us tonite. OPs welcome Dave on board, who uses a 631 Kenwood 2m/220MHz rig. YZW lives down Costa Mesa way. ZH replaces the 'blowed up' preamp for the 432 wid a new one. And TAM rests up for more medical tests tomorrow. And Chris clears up a TVI problem wid appropriately placed filters! TWA's R-7 ant. begins dancing in the wind!..Charles cures its antics quickly wid sum dacron guy lines! QW, wid visitors in from Spokane, and the XYL's daughter & son-in-law flying home tomorrow, pulls up the rear of the Net!

4/10 15m phone net - W6ZE/AF6C checks in HHC, NGO, IXN, & NOX. AF6C, HHC & NGO discuss the cost of adding 2-speed axles to the Club trailer. Then NGO 73s to take care of 'the bugs in his throat'! ZE proposes that we start Net at 7:45pm local time. All OPs agree!..We will get a 'lil break between the 15m & 2m nets! IXN visits in Indio, plants flower beds, & alerts OPs abt seismic activity on the Palos Verdes fault. WOX asks if we hve a record of W6ELT/KH6CN's membership in OCARD. IXN confirms George Dillon as a member in 1959, living then at 1143 S. Baker St., Santa Ana!

4/10 2m phone net - W6ZE/IXN checks in RE, VDP, YZW, QW, BWH, WOX, VFC, DOA, HHC, and AB6ZF. RE & XYL hve a 'calm, cool & collected' Easter, watching Rev. Schuller TV Services, and going out to dinner. Alex says the Club still doesn't hve a volunteer to assume OB duties!! And, Official Bulletins are few & far between wid the poor band condx.! Alex just barely passes his eye test at DMV, but gets his license renewed thru the year 2000! BWH airs an interesting Newline!..Seems that the Montana Freemen (unlicensed!!) hve been

using the Ham Bands for communications! VDP works on a radio for YZW, and, Larry discovers that Formula 409 does a nice job when sprayed on wasps! VDP is also selling odds & ends for QW. And HHC suggests Larry list QW's items in RF. YZW gets a job doing maintenance at RV City. And Dave spends a gud Easter wid the Family. QW picks up a gud CD player for \$79!...And Rolf 'hangs loose & relaxes', watching his dahlias & tomatoes grow over Easter. The XYL takes WOX to the Angel game on Sunday, and while Art plays around wid packet, the XYL gets her 'fun in the sun' in Palm Springs for a couple of days! Wid 6m dead and the sporadic E season 2 wks away, VFC watches the Grand Harmonic over Easter vacation! DOA gets a new Kenwood 733 and puts out nice sigs on 2m tonite! Bruce & fam. Easter vacationed at their Time-share in San Clemente. HHC chuckles at the Newslite story of the gentleman who continued illegal distress calls until caught by the Coast Guard & FCC!... (Maybe he felt the need for attention & persecution, Ken!) AB6ZF, Jim, helps OPI wid test sessions at the Red Cross. ZE invites Jim to next Club meeting for an eyeball wid OPs, and IXN gives Jim's adr to PFA for a follow-up RF!

4/17 15m phone net - W6ZE/AF6C checks in NGO, IXN, TWA, WOX, and AD6B. AF6C just gets off the phone wid his sister, after getting 'sprinkled on' whilst pulling weeds on the 'back 40'! NGO, after purchasing one size larger tires for the rear of the Chevy truck, has to raise up the trailer bar. And Kel, after overcoming his 'Easter bug' yesterday, sets the timer for the front lights and tells OPs abt an old CW key they called 'the junker'! IXN announces that Dick, W6FXN, former net control for the Seismic Precursor Net, passed away early this morning! OPs confirm new 15m net time start at 7:30 pm local time. AF6C will announce new time at Club meeting for 1st Net in May. ZE asks WOX to confirm his Zip Code, and, like IXN, Art had an old Vibroplex Bug! TWA hears WOX PB tonite. And TWA's XYL is like the Roman Centurion in the Bible...She says, "Do this, and do that", and Charles does it!! HHC will be participating in the Baker to Vegas Relay this weekend! And 'long-time-no-hear' AD6B, Art, fires up the rig and joins us tonite...Didn't hear whether Art had a new rig, or one he had picked up elsewhere.

4/17 2m phone net - W6ZE/IXN checks in VFC, VDP, YZW, RE, QW, NG7D, WOX, and BWH. VFC announces 6m openings on Fri. & Sun. last week to TX, FLA, & Cuba! And Dennis has QW's wire bead welder all assembled. Now VFC has to teach Rolf how to use it! VDP goes thru valuable family documents, arranging them in order. And Larry tells VPP that his name is still mis-spelled in the Board of Directors list in RF! AH!...Those nasty bosses...They'd keep YZW working 7 days a week if possible!! Doesn't leave much time for anything else, Dave! (PS: How IXN loves retirement!!!) Let's see...IXN, YZW, HHC, and AF6C are all frm PA...RE frm Ohio. Any more 'Keystone-staters' in the Club?! YZW & RE know the Uniontown area well, wid RE working in nearby Warren, Ohio, in the steel industry. And Alex' wallet gets lighter has he has lawn sprinkler repairs made at the QTH. And RE announces that Georgia will hve special numbers in Call Signs to commemorate the summer Olympic Games! And Alex still awaits a volunteer to assume OBS duties for the OCARC!!!! QW makes his yearly contribution to Uncle Sam, and Rolf wins an orchid plant at the orchid club meeting. Now Rolf will



take a welding lesson or two from VFC in preparation for building a geodesic dome greenhouse for the orchids. NG7D repairs a pressure pad in a commodore floppy drive, and the family wins 'yard of the month' award from the Homeowners' Assoc. And John tells IXN that shark cartilage helps his mom with the arthritis! WOX will attend a swapmeet Sat...With no money, he'll come back richer! And Art 'gets his feet wet' working abt 8 OPs in the 2m SSB contest last weekend. BWH checks in mobile, with QRN, abt 2 mi. from the QTH. Once home, Bob airs Newline for waiting net members...ARRL will try to get VEs covered under federal law to prevent them from becoming victims in frivolous lawsuits!

4/24 15m phone net - W6ZE/AF6C checks in HHC, NGO, IXN, WOX, RE, and AD6B. AD6B can't copy IXN's weak sig, and NGO says Kaz has been promoted to Section Chief at the University in JA land...little pay increase but good retirement!! HHC helps with communications for the Orange PD during the Baker-to-Vegas Relay. IXN tells OPs that the Gazetteer shows Rt 127 & Rt 178 to be the path of the Relay. And what's this!?...AF6C gets \$25 Sears camera bulb for \$1.25 at Orvaca!...Anymore deals like that around, Bob!? IXN can't hear WOX tonite, but we'll pick Art up on 2m on down the log! With sunspots down, communications poor, RE concentrates on getting rid of antenna support elements in the backyard, including a 1 1/2" 10 ft. section of pipe FREE to any OP who will go pick 'em up!!

4/24 2m phone net - W6ZE/IXN checks in ZH & TAM, VDP, VFC, YZW, RE, QW, WOX, AF6C, KN6FJ, HHC, TWA, AD6B, & BWH. ZH & TAM spend last weekend at the DX Convention in Visalia...Didn't win any of the goody prizes though! And Chris tells AF6C that the letter to the Base Cmdr. concerning FD has been sent...No reply yet! VDP & FJ live near each other. Bill, KN6FJ, is retired with bad knees. Larry will stop by FJ's QTH for an eyeball in the near future. VFC says 6m has been open every day this week with paths into FLA, TX, OK, KS, NB, & WY, for just a few! And VDP & Dennis spend sum time loading shells. YZW hopes that increasing gasoline prices don't cut deeply into the RV trade!! With sunspots at 0, 13, 13, 0, 0, 12, & 14 for the 11th thru the 17th, and solar flux below 70, RE doesn't hear any WIAW bulletins! QW picks up a Unit at the Swapmeet that will supply him with counter dials and coils for open wire tuners...Now, it's over to VFC's QTH on Sunday for sum welding instruction! IXN & WOX like the warm WX...And Art says the KYL won tickets for a boat cruise at Newport! And Art sadly viewed his re-arranged 2m SSB ant. after 'Sir Isaac Newton' pulled it to the ground! FJ leans toward the digital modes & cruising the Internet. Welcome bk, Art!..Long time no hear AD6B on the nets! Art thinks this is his 1st check-in ever on the 2m net! AD6B works us using an HT in the front yard. BWH checks in mobile, and Bob airs Newline from the QTH...Seems that the FCC will use the new law concerning broadcast of indecent language, during children-awake hours, to curb violations in the Ham bands!...Right on!!

## CLUB NETS

Band	Mode	Day	Local Time	Freq. MHZ.	Net Control
15 Meters	SSB	Wednesday	8:00 Pm	21.375*	AF6C
2 Meters	FM	Wednesday	8:30 Pm	146.550 Simplex	WB6IXN

(Listen for W6ZE, Net Control)

\*Plus or Minus QRM

### General Meeting

May 17  
June 21  
July 19

General Meeting is the 3rd Friday of each month at 7:30 PM  
at the AMERICAN RED CROSS facilities.  
801 N. Golden Circle Drive, Santa Ana, Ca.  
Major Cross Streets: Fourth St. and Tustin Ave.  
Talk in frequency: 146.550 MHZ simplex.

### Board Breakfast

May 4  
June 1  
July 6

Board Meeting is the 1st Saturday of each month at 8:00 AM  
The WILDFLOWER RESTAURANT - members & visitors are welcome.  
2525 N. Grand Ave., Santa Ana, Ca.  
Exit the 5 freeway at 17th Street, go east to Grand Ave. Go north on  
Grand; or exit the 22 freeway at Grand /Glassell. Go South to Restaurant.

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